



2000124

STANTON D. ROSENBAUM
GARY A. WOODS
SAMUEL L. LEVY
STEVEN G. WRIGHT
RICHARD D. GREENGARD
EDWARD T. RAMEY
WILLIAM M. SILBERSTEIN
LAWRENCE J. DONOVAN, JR.
GARY LOZOW
LAWRENCE R. KUETER
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BONNIE LARSON-de Paz
KELLY ELEFANT
CHRISTINE L. HAYES

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TIMOTHY P. DALY OF COUNSEL
PAUL V. FRANKE SPECIAL COUNSEL
SANDY GAIL NYHOLM OF COUNSEL

LOUIS G. ISAACSON (1910-1993)
CHARLES ROSENBAUM (1901-1973)
SAMUEL M. GOLDBERG (1903-1974)
JOSEPH J. STOLLAR (1946-1984)

SENDER'S DIRECT DIAL
(303) 256-3986

SENDER'S INTERNET ADDRESS
jsteeler@irwl.com

April 4, 2002

HAND DELIVER

Ms. Dawn Tesorero
Technical Enforcement Program
U.S. Environmental Protection Agency
999 18th Street, Suite 300
Denver, CO 80202-2466

Re: First Request for Information Pursuant to § 104 of CERCLA for the Vasquez
Boulevard/I-70 Site, Denver, Colorado

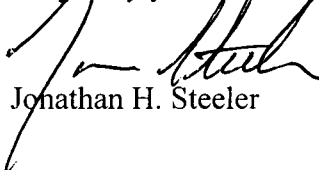
Dear Ms. Tesorero:

On behalf of Pepsi Bottling Group ("PBG"), the attached is intended to supplement PBG's earlier responses to the above-referenced information request. In earlier submittals, PBG has informed your office of on-going expansion work at the PBG facility. As part of this work, excavation activities have been undertaken. Pursuant to PBG's work plan, PBG had air monitoring performed to assure a safe working environment.

Responsive to question 9(h) of the above-referenced information request, attached hereto is an air monitoring report. The results from the sampling indicate that levels were well below OSHA action levels.

If you have any questions regarding this letter or need further information (including further certification), please advise the undersigned.

Very truly yours,


Jonathan H. Steeler

JHS:jkw

Enclosure 512706

cc: David H. Patrick, Esq.
Dennis H. Hunter, Ph.D.

RECEIVED

APR 08 2002

Office of Enforcement
Compliance & Environmental
Justice

March 25, 2002

Mr. Dennis Hunter
Orion Environmental Solutions, Inc.
2971 Hodges Landing Drive
Knoxville, TN 37920

**Final Report
Industrial Hygiene Monitoring
Pepsi Bottling Renovation**

Dear Mr. Hunter:

This report presents the results of Harding ESE's industrial hygiene monitoring for airborne lead and arsenic for the construction renovation project at the Pepsi Bottling Group (PBG) Facility, 3801 Brighton Boulevard, Denver, Colorado. The employee exposure monitoring occurred as outlined in Harding ESE's proposal dated February 21, 2002, to Orion Environmental. The purpose of the monitoring was to determine if employee exposures to airborne lead and arsenic exceed the Occupational Safety and Health Administration's (OSHA's) Permissible Exposure Limits (PEL's) or the American Conference of Governmental Industrial Hygienists' (ACGIH's) Threshold Limit Values (TLVs).

BACKGROUND

The PBG Facility is located on the corner of 38th Street and Brighton Boulevard, in Denver, Colorado. Historically, the area near the facility was a major smelting center for the Rocky Mountain Region. Several smelting plants have operated there refining gold, silver, copper, lead and zinc. One is still in operation today, refining metals. On January 1999, the area was proposed by the EPA to be added to the Superfund National Priorities List.

PBG planned to expand their facility starting in November 2001. Due to the site history, PBG wanted to maintain a safe work environment during construction, and Harding ESE was contracted to collect representative air samples to obtain information on possible lead and arsenic in the air in the parking lot, loading dock area, and storage areas during excavation activities.

OVERVIEW

Harding ESE evaluated the presence of lead and arsenic by collecting 9 eight-hour time weighted average (TWA) samples in the breathing zones of workers and 2 field blanks. It should be noted that the construction contractors were required to utilize effective engineering controls to minimize fugitive dust during excavation activities. The following is a synopsis of the samples collected for lead and arsenic:

- February 22nd: 3 personal samples.
- February 27th: 2 personal samples and 1 QC blank submitted for analysis.

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Office of Enforcement
Compliance & Environmental
Justice

- February 28th: 2 personal samples.
- March 4th: 2 personal samples collected and 1 QC blank submitted for analysis.

After March 4th, major excavation operations for this phase of the renovation ceased. Therefore, no air monitoring samples were collected after that date.

METHODS AND RESULTS

Review of Operations

Prior to each shift Harding ESE reviewed the day's schedule of construction activities. Workers were selected for monitoring based on the probability of being exposed to dust emissions during their daily operations. The higher risk groups were selected to establish worse case scenarios for potential exposure to airborne lead and arsenic. Documentation of worker activities and weather conditions were made throughout the duration of the sampling period to assist in assessing potential exposures.

Exposure Air Monitoring

Based on observations and employee interviews, Harding ESE determined that the following employees had the greatest potential exposure to lead and arsenic.

- Employees applying water to dusty areas with a hose
- The laborers on the ground working near the excavation
- Heavy equipment operators
- Truck drivers

In addition to employee activities, weather played an important role in determining the sampling strategy. Samples were generally not collected on days of inclement weather, due to low work volume, and wet ground conditions.

Air samples were taken each day using Gillian Gilair-5 personal sampling pumps. The pumps were fitted with cassettes containing 0.8µm cellulose ester filters. Each pump was pre- and post-calibrated to approximately 2.0L min⁻¹ using a primary standard DryCal calibrator and the results were within +/- 5%. The cassettes were attached to the employees by flexible Tygon tubing and placed in the breathing zone of each worker. Once the shift had ended, the cassettes were collected and post-calibrated. Samples were then submitted to Reservoirs Environmental Laboratories, an American Industrial Hygiene Association (AIHA) accredited lab. Samples were delivered to the laboratory using standard chain of custody procedures. Reservoirs analyzed the air samples using NIOSH Method 7300 Elements by ICP.

Results

The laboratory analytical results were compared to the OSHA PEL, reviewed with the employees, and posted at the job site. All 11 sample concentrations were below the detection limits of the laboratory for both lead and arsenic. The results of these exposure samples indicated that airborne concentrations of the analyzed metals did not exceed OSHA's PEL's. Quantitative air monitoring results are presented in Table 1. The laboratory reports and chain of custody records are attached.

Sample Number	Person/Task/ Date	Air Concentration ($\mu\text{g m}^{-3}$)	Occupational Safety and Health Administration Permissible Exposure Limit (PEL)
2-22-01	Artemio Hernandez Surveyor 2/22/02	BDL	50 $\mu\text{g m}^{-3}$ lead 10 $\mu\text{g m}^{-3}$ arsenic
2-22-02	Rafal Barraza Truck Driver 2/22/02	BDL	50 $\mu\text{g m}^{-3}$ lead 10 $\mu\text{g m}^{-3}$ arsenic
2-22-03	Victor Boger Former 2/22/02	BDL	50 $\mu\text{g m}^{-3}$ lead 10 $\mu\text{g m}^{-3}$ arsenic
2-22-04	Blank	BDL	50 $\mu\text{g m}^{-3}$ lead 10 $\mu\text{g m}^{-3}$ arsenic
22702-2	Danial Leon Laborer	BDL	50 $\mu\text{g m}^{-3}$ lead 10 $\mu\text{g m}^{-3}$ arsenic
22702-3	Fred Kipfer Loader Operator	BDL	50 $\mu\text{g m}^{-3}$ lead 10 $\mu\text{g m}^{-3}$ arsenic
22802-1	Fred Kipfer Loader Operator	BDL	50 $\mu\text{g m}^{-3}$ lead 10 $\mu\text{g m}^{-3}$ arsenic
22802-2	Aitemio Hernandez Surveyor	BDL	50 $\mu\text{g m}^{-3}$ lead 10 $\mu\text{g m}^{-3}$ arsenic
3402-1	Santiago Flores Form Builder	BDL	50 $\mu\text{g m}^{-3}$ lead 10 $\mu\text{g m}^{-3}$ arsenic
3402-2	Mario Nunez Form Builder	BDL	50 $\mu\text{g m}^{-3}$ lead 10 $\mu\text{g m}^{-3}$ arsenic
Blank	Blank	BDL	50 $\mu\text{g m}^{-3}$ lead 10 $\mu\text{g m}^{-3}$ arsenic

BDL: Below Detection Limit

OSHA Action Levels: lead (30 $\mu\text{g m}^{-3}$), arsenic (5 $\mu\text{g m}^{-3}$)

Detection Limits: lead (3.0 to 3.5 $\mu\text{g m}^{-3}$), arsenic (0.1 to 0.2 $\mu\text{g m}^{-3}$)

March 25, 2002
Mr. Dennis Hunter
Orion Environmental Services
Page 4

CONCLUSIONS

All results were found to be below OSHA's action levels of 30 ug m^{-3} for lead and 5 ug m^{-3} for arsenic. The action levels and permissible exposure levels can be referenced at 29 CFR 1910.1025 (lead) and 29 CFR 1910.1018 (arsenic).

LIMITATIONS

This report was prepared for Orion Environmental and their clients. No other party may rely on the results, conclusions, or recommendation contained in this report without the express permission of Orion Environmental. Please note that if facility conditions, materials, personnel, or equipment change, potential health and safety hazards could change and additional monitoring may need to be implemented to confirm a safe work environment.

If you have any questions or require additional information please contact either of the undersigned at (303) 292-5365.

Sincerely,

HARDING ESE



Bradley R. Steininger
Project Safety and Industrial Hygiene Specialist



Holli L. Merchant, CIH
Associate Industrial Hygienist

Attachments: Laboratory Reports and Chain of Custody Records
Field Notes



RESERVOIRS ENVIRONMENTAL SERVICES, INC.

2059 BRYANT STREET

DENVER, COLORADO 80211

866-RESI-ENV (866) 737-4368

(303) 964-1986

FAX (303) 477-4275

March 7, 2002

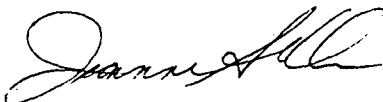
Brad Steininger
Harding Lawson Associates (CO)
1627 Cole Boulevard
Golden, CO 80401-3305

Dear Mr. Steininger:

Reservoirs Environmental Services, Inc. (RES, Inc.) has analyzed the following sample(s) using Atomic Absorption (AA)/Inductively Coupled Plasma (ICP) per your request. The analysis has been completed in compliance with the appropriate methodology as stated in Table I. Results have been faxed to your office.

RES Job# 83263-1 has been assigned to this study. This report is considered highly confidential and the sole property of Harding Lawson Associates (CO). RES, Inc. will not discuss any part of this study with personnel other than those of the client. Samples will be disposed of after sixty days unless longer storage is requested. If you should have any questions about this report, please feel free to call me at 964-1986.

Sincerely,



Jeanne Spencer Orr
President

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

NVLAP Accredited Laboratory #101896
AIHA Certificate of Accreditation #480 LAB ID 101533

TABLE I. ANALYSIS: ARSENIC IN AIR

RES Job Number: RES 83263-1
Client: Harding Lawson Associates (CO)
Client Project Number / P.O.: 55440
Client Project Description: PBG
Date Samples Received: February 25, 2002
Analysis Type: NIOSH ICP(7300-M)
Turnaround: 3-5 Day
Date Samples Analyzed: February 26, 2002

Client ID Number	Lab ID Number	Air Volume (L)	ARSENIC (µg)	Detection Limit (µg/m ³)	ARSENIC CONCENTRATION (µg/m ³)
2-22-01	EM 591996	760	BDL	6.6	BDL
2-22-02	EM 591997	803	BDL	6.2	BDL
2-22-03	EM 591998	749	BDL	6.7	BDL
2-22-04	EM 591999	0	BDL	----	----

pk

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

NVLAP Accredited Laboratory #101896
AIHA Certificate of Accreditation #480 LAB ID 101533

TABLE I. ANALYSIS: LEAD IN AIR

RES Job Number: RES 83263-1
Client: Harding Lawson Associates (CO)
Client Project Number / P.O.: 55440
Client Project Description: PBG
Date Samples Received: February 25, 2002
Analysis Type: NIOSH AA(7082) or ICP(7300-M)
Turnaround: 3-5 Day
Date Samples Analyzed: February 26, 2002

Client ID Number	Lab ID Number	Air Volume (L)	LEAD (µg)	Detection Limit (µg/m ³)	LEAD CONCENTRATION (µg/m ³)
2-22-01	EM 591996	760	BDL	3.3	BDL
2-22-02	EM 591997	803	BDL	3.1	BDL
2-22-03	EM 591998	749	BDL	3.3	BDL
2-22-04	EM 591999	0	BDL	----	----



RESERVOIRS ENVIRONMENTAL SERVICES, INC.

2059 BRYANT STREET

DENVER, COLORADO 80211

866-RESI-ENV (866) 737-4368

(303) 964-1986

FAX (303) 477-4275

March 11, 2002

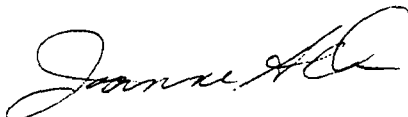
Matt Grant
Harding ESE
1627 Cole Boulevard
Golden, CO 80401-3305

Dear Mr. Grant:

Reservoirs Environmental Services, Inc. (RES, Inc.) has analyzed the following sample(s) using Atomic Absorption (AA)/Inductively Coupled Plasma (ICP) per your request. The analysis has been completed in compliance with the appropriate methodology as stated in Table I. Results have been faxed to your office.

RES Job# 83386-1 has been assigned to this study. This report is considered highly confidential and the sole property of Harding ESE. RES, Inc. will not discuss any part of this study with personnel other than those of the client. Samples will be disposed of after sixty days unless longer storage is requested. If you should have any questions about this report, please feel free to call me at 964-1986.

Sincerely,



Jeanne Spencer Orr
President

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

NVLAP Accredited Laboratory #101896
AIHA Certificate of Accreditation #480 LAB ID 101533

TABLE I. ANALYSIS: LEAD IN AIR

RES Job Number: RES 83386-1
Client: Harding ESE
Client Project Number / P.O.: N/A
Client Project Description: Pepsi Bottling Facility
Date Samples Received: March 4, 2002
Analysis Type: NIOSH AA(7082) or ICP(7300-M)
Turnaround: 3-5 Day
Date Samples Analyzed: March 4, 2002

Client ID Number	Lab ID Number	Air Volume (L)	LEAD (µg)	Detection Limit (µg/m ³)	LEAD CONCENTRATION (µg/m ³)
3402-1	EM 593192	853	BDL	2.9	BDL
3402-2	EM 593193	839	BDL	3.0	BDL
22702-2	EM 593194	766	BDL	3.3	BDL
22702-3	EM 593195	768	BDL	3.3	BDL
22802-1	EM 593196	1007	BDL	2.5	BDL
22802-2	EM 593197	992	BDL	2.5	BDL
Blank	EM 593198	0	BDL	----	----

RL

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

NVLAP Accredited Laboratory #101896
AIHA Certificate of Accreditation #480 LAB ID 101533

TABLE I. ANALYSIS: ARSENIC IN AIR

RES Job Number: RES 83386-1
Client: Harding ESE
Client Project Number / P.O.: N/A
Client Project Description: Pepsi Bottling Facility
Date Samples Received: March 4, 2002
Analysis Type: NIOSH ICP(7300-M)
Turnaround: 3-5 Day
Date Samples Analyzed: March 4, 2002

Client ID Number	Lab ID Number	Air Volume (L)	ARSENIC (μg)	Detection Limit ($\mu\text{g}/\text{m}^3$)	ARSENIC CONCENTRATION ($\mu\text{g}/\text{m}^3$)
3402-1	EM 593192	853	BDL	5.9	BDL
3402-2	EM 593193	839	BDL	6.0	BDL
22702-2	EM 593194	766	BDL	6.5	BDL
22702-3	EM 593195	768	BDL	6.5	BDL
22802-1	EM 593196	1007	BDL	5.0	BDL
22802-2	EM 593197	992	BDL	5.0	BDL
Blank	EM 593198	0	BDL	----	----

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

2059 Bryant St., Denver CO 80211

RESI Job #:

RES 83263

Phone: (303) 964-1986 Fax: (303) 477-4275 WATS: 1-866-RESI ENV (737-4368)

Due Date: 2-28/34/02

Due Time: 8:25 A

PAGER: ONCALL Pager number available at Lab. Alternate Pagers: PLM/TEM 509-2187 PCM/Metals 509-2098 (AFTER HOURS USE ONLY)

SAMPLES SUBMITTED BY:

Company: Harding ESE

Address: 1627 Cole Blvd.

Golden CO 80401

Contact: Brad Steininger

Phone: 303-293-6044

Fax: 303-292-5411

Pager:

Contact: Tracy A Hock

Phone: 303-293-6011

Fax: 303-292-5411

Pager:

Project Number and/or P.O. #: 55440

Project Description/Location: PBG

INVOICE TO: (IF DIFFERENT)

After Hours/Weekend CHARGE: Amount \$

Authorized by:

Additional fees apply for after hours and holidays for all analysis types. Samples will be analyzed during normal laboratory hours unless otherwise arranged and specified on the chain of custody. Turnaround is subject to laboratory volume. You will be notified if delays are expected.

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm

PCM/PLM 2 Hour RUSH 24 hour 3-5 weekdays

TEM 6 Hour RUSH 24 hour 3-5 weekdays

Prior Notice REQUIRED for TEM 6 Hour RUSH

METALS LABORATORY HOURS: Weekdays: 8am - 5pm

AA SPECIAL RUSH 24 Hour X 3-5 Day

RCRA 8 SPECIAL RUSH 5 Day 10 Day

TCLP SPECIAL RUSH 5 Day 10 Day

Prior Notice REQUIRED for SPECIAL RUSH AA, RCRA or TCLP

RCRA and TCLP SPECIAL RUSH is 3 Day Turnaround

ANALYTICAL METHOD

AIR

☐

PCM 7400A, 7400B, OSHA

☐

TEM AHERA, Level II, 7402, ISO.

☐

Pres/Abs ISO-Indirect Preps Chatfield

☒

AA / ICP 7300 Metal RCRA 8

☐

Dust Total, Respirable

BULK:

☐

PLM Short report, Long report, Point Count

☐

TEM +/-, Quant, Semi-quant

☐

AA / ICP Metal RCRA 8

WATER

☐

Paint, Soil, Dust, Wipe, TCLP

☐

TEM Drinking, Waste Water

☐

AA Water Metal RCRA 8

OTHER

☐Drinking, Waste Water
Specify NIOSH 7300 - Lead/Arsenic

Special Instructions:

Client Sample Number

1. 2-22-01

2. 2-22-02

3. 2-22-03

4. 2-22-04

5.

6.

7.

8.

9.

10.

11.

12.

13.

14.

15.

Volume

EM

760L

803L

749L

0

Number of samples received:

(Use as many additional sheets as needed.)

NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact project manager and shipper. RESI will analyze incoming samples based upon information received with those samples. RESI is not responsible for errors or omissions in calculations resulting from the inaccuracy of original data. Turnaround times are based upon times of receipt by Laboratory. Call Laboratory for number of samples guaranteed in short turnaround.

Relinquished By: Tracy Altrich

Date/Time: 2-25-02 / 0825

Laboratory Use Only

Received By: [Signature]

Date/Time: 2/25/02 / 0825

Carrier: [Signature]

Condition of package/custody seal upon receipt: Good

RESULTS:

Contact

Page

Phone

Fax

Date

Time

Initials

SPLITS:

Authorization By/Time:

Analytical Method/Turnaround:

Results Due:

Results Out:

Lab Bench/Count Sheets Received By:

Time:

Date:

rev 5/2/01

RESERVOIRS ENVIRONMENTAL SERVICES, INC.

2059 Bryant St., Denver CO 80211

RES 83386

RESI Job #:

Phone: (303) 964-1986 Fax: (303) 477-4275 WATS: 1-866-RESI ENV (737-4368)

Due Date: 3/7/02
Due Time: 3:25 P

PAGER: ONCALL Pager number available at Lab. Alternate Pagers: PLM/TEM 509-2187 PCM/Metals 509-2098 (AFTER HOURS USE ONLY)

SAMPLES SUBMITTED BY:

Company: Harding ESE
Address: 1627 Cole Blvd.
Golden, CO 80401

Contact: MATT GRANT

Phone: 303/293/6083

Fax:

Pager:

Contact:

Phone:

Fax:

Pager:

Project Number and/or P.O. #:

Project Description/Location: Pepsi Bottling Facility

INVOICE TO: (IF DIFFERENT)

After Hours/Weekend CHARGE: Amount \$ _____ Authorized by: _____

Additional fees apply for after hours and holidays for all analysis types. Samples will be analyzed during normal laboratory hours unless otherwise arranged and specified on the chain of custody. Turnaround is subject to laboratory volume. You will be notified if delays are expected.

ASBESTOS LABORATORY HOURS: Weekdays: 7am - 7pm

PCM/PLM _____ 2 Hour RUSH _____ 24 hour _____ 3-5 weekdays

TEM _____ 6 Hour RUSH _____ 24 hour _____ 3-5 weekdays

Prior Notice REQUIRED for TEM 6 Hour RUSH

METALS LABORATORY HOURS: Weekdays: 8am - 5pm

AA _____ SPECIAL RUSH _____ 24 Hour X 3-5 Day

RCRA 8 _____ SPECIAL RUSH _____ 5 Day _____ 10 Day

TCLP _____ SPECIAL RUSH _____ 5 Day _____ 10 Day

Prior Notice REQUIRED for SPECIAL RUSH AA, RCRA or TCLP

RCRA and TCLP SPECIAL RUSH is 3 Day Turnaround

ANALYTICAL METHOD

AIR



PCM 7400A, 7400B, OSHA



TEM AHERA, Level II, 7402, ISO,

Pres/Abs ISO-Indirect Preps Chatfield

AA / ICP Pb Metal _____ RCRA 8

Dust Total, Respirable

BULK:



PLM Short report, Long report, Point Count



TEM +/-, Quant, Semi-quant



AA / ICP _____ Metal _____ RCRA 8

Paint, Soil, Dust, Wipe, TCLP

WATER



TEM Drinking, Waste Water



AA Water _____ Metal _____ RCRA 8

Drinking, Waste Water

OTHER



Specify _____

Special Instructions:

Client Sample Number	Volume	EM #
1. 3402-1	853.02	
2. 3402-2	838.74	
3. 22702-2	745.94	
4. 22702-3	748.49	
5. 22802-1	1006.97	
6. 22802-2	991.98	
7. BLANK	0	
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		

Number of samples received: _____

(Use as many additional sheets as needed.)

NOTE: If the package has sustained substantial damage or the custody seal is broken, stop and contact project manager and shipper. RESI will analyze incoming samples based upon information received with those samples. RESI is not responsible for errors or omissions in calculations resulting from the inaccuracy of original data. Turnaround times are based upon times of receipt by Laboratory. Call Laboratory for number of samples guaranteed in short turnaround.

Relinquished By: MATT GRANT

Date/Time: 3/4/02 1516

Laboratory Use Only

Received By: [Signature]

Date/Time: 3/4/02 320P

Carrier: [Signature] Condition of package/custody seal upon receipt: [Signature]

RESULTS: Contact _____ Page _____ Phone _____ Fax _____ Date _____ Time _____ Initials _____

SPLITS: Authorization By/Time: _____

Lab Bench/Count Sheets Received By: _____

Analytical Method/Turnaround: _____

Time: _____ Date: _____

Inv 5/2/01

Results Due: _____

Results Out: _____

The American Industrial Hygiene Association

is proud to acknowledge that

Reservoirs Environmental Services

Denver, CO

has fulfilled the requirements of the AIHA Laboratory Quality Assurance Program (LQAP) and therefore conforms to the ISO/IEC 17025 international standard, and is formally recognized by AIHA as being technically competent to perform the analyses listed in the following

SCOPE OF ACCREDITATION

INDUSTRIAL HYGIENE

Originally Accredited: 10/01/92

☒ Metals ☐ Silica
☒ Asbestos PCM ☐ Asbestos PLM
☐ Organic Solvents ☐ Diffusive Samples

ENVIRONMENTAL LEAD

Originally Accredited: 07/08/96

☒ Paint Chips ☒ Air
☒ Dust Wipes ☒ Soil

ENVIRONMENTAL MICROBIOLOGY

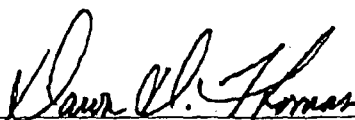
☐ Bacteria
☐ Fungi

The above named laboratory agrees to perform all analyses listed above in the scope of accreditation according to applicable policy requirements and acknowledges that continued accreditation is dependent on successful participation in the appropriate proficiency testing programs. This laboratory may be contacted to verify the current scope of accreditation, proficiency testing performance and accreditation status. Accreditation by AIHA is not a guarantee of the validity of the data generated by the laboratory.

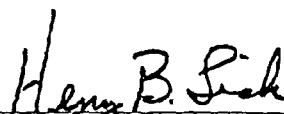
Laboratory #101533

Certificate #480

Accreditation Expires: 07/08/02



Dawn D. Thomas, ASQ Certified Quality Mgr.
Chair, Analytical Accreditation Board



Henry B. Lick, CIH, CSP, PhD, ROH
President, AIHA



Sample Date: 2-22-02 Project Number: 780 55440 Page 1 of 1

Sampled by: Tracy Albeck Project Name: Pepsi Bottling Group

Collection media: NIOSH ICP 7300 Compound(s) sampled for: Lead
Arsenic Barometric pressure: N/A Temperature: _____

Sample Number	Pump Number and Type	Pump Flow Rate	Sample Start Time	Sample Stop Time	Total Sample Time	Total Sample Volume	Sample Location (if personal, note name and job)	Sample Results (mg/m ³)
2-22-01	GilAir-5/16969	1.94 L/min	0850	1526	396min.	760L	Artemio Hernandez, surveyor	
2-22-02	16958/GilAir 5	1.96 L/min	0859	1555	416min	803L	Rafael Barragan, Fiore Truck #905	
2-22-03	13580/GilAir 5	1.96 L/min	0855	1505 (end)	380min.	749L	victor Boger - Forming concrete.	
2-22-04	NA	Ø	NA	NA	Ø	Ø	Blank	

2-25-02 (9/11)

Notes (describe activities, unusual circumstances, weather conditions, etc.): 1028 winds out of the west, blowing dust. Cat moving soil,

no other vehicle activity, forming workers near fence line. 1050 Truck #905 - Fiore has been loaded with soil and is leaving fenced area.

1205 Checked sample #1. It is still running. Sample #3 - worker is at lunch break. Both CATs are running to excavate soil. Wind is

still out of west. 1235 Sample #3 pump is still running. The wind is still blowing. Not as strong as it was earlier today. Truck
is being loaded w/ soil. 1313 Both CATs are still excavating soil. One is loading a truck. Have not seen truck #905 - Fiore since AM (over)

Sampler's Signature: Tracy Albeck



Sample Date: 2/27/02 Project Number: _____ Page 1 of 1

Sampled by: Matt Grant Project Name: Pepsi Bottling group

Collection media: D.8 MCE Compound(s) sampled for: Lead (Pb)
Alum. (Al) Barometric pressure: - Temperature: 15-25°F

Sample Number	Pump Number and Type	Pump Flow Rate (L/min)	Sample Start Time	Sample Stop Time	Total Sample Time	Total Sample Volume	Sample Location (if personal, note name and job)	Sample Results (mg/m ³)
22702-1	13580-Gill Air	1.944						
22702-2	16969-Gill Air	1.932	1830	300	390	765.96	Daniel Leon C. - Labor/Truck Installation	
22702-3	13579-Gill Air	1.939	1830	315	405	788.49	Fred Kipfer - Loader Operator	
	22704 F-	1.964						
	22702-2 F-	1.898						

Notes (describe activities, unusual circumstances, weather conditions, etc.): OBIS Harding ESE on site to conduct Air monitoring, 2820 20°F now and sunny.
pre cal on 2 pumps, only 2 activities on site today, loader loading trucks and laborers installing rebar in trench,
830 pumps running on Ford loader and Daniel in trench, All personnel reported their activity will last
all day, 930 Saunders personnel in for break, Fredi still working. 1015 Harding offsite, 230 Harding onsite, loader
digging in area NE of trailer and Saunders personnel working at forms in west side of work area. (over)

Sampler's Signature: Matt Grant

415: Matt Grant takes over Fort Traylor Attack, loaders pushing dumped gravel. Water truck running, keeping
just down. 1500 collect pump from Victor post cal. 1515 can not find other 2 pumps. 1525 pump 1969
Burd + post cal. 1535 still no sign of truck 905 were lost pump is located. 1550 truck 905
~~finally~~ comes back - post cal. 1600 Harding off site

sample - 2-22-
2-22-01

M/G 2/22/02



Sample Date: 2/28/02 Project Number: _____ Page 1 of 1

Sampled by: MAHLEMAN Project Name: Pepsi Bottling Group

Collection media: O.8um MCE Compound(s) sampled for: Pb
As Barometric pressure: _____ Temperature: 22-40°F

Sample Number	Pump Number and Type	($\mu\text{m}^3/\text{s}$) Pump Flow Rate	Sample Start Time	Sample Stop Time	Total Sample Time	Total Sample Volume	Sample Location (if personal, note name and job)	Sample Results (mg/m^3)
22802-1	13575-GILARS	1.975 2.060	0815	1530	495 min	1006.97	Fred Kipfer - ^{operator} Loader/scraper	
22802-2	13580-GILARS	1.945 2.065	0815	1530	495 min	991.98	A. tenorio ^{Surveyor} Hernandez	
		22802-1 - 2.0375						
		22802-2 - 2.004						

Notes (describe activities, unusual circumstances, weather conditions, etc.): 800 Harding onsite, 810 pump precal, 815 pumps running,
830 feori trucks bringing gravel, 930 All pumps running, loader starts digging NE
of current job site in parking lot, 1030 Harding offsite, 200 Harding onsite gravel
still being delivered into NE side of excavation that the loader started earlier.
300 Scavenger offsite,

Sampler's Signature: _____



Sample Date: 3/4/02 Project Number: _____ Page 1 of 1

Sampled by: MATT GRANT Project Name: Peps: BOTTLING GROUP

Collection media: 2.8 MCF Compound(s) sampled for: Pb
As Barometric pressure: _____ Temperature: 25-45°F

Sample Number	Pump Number and Type	L/min Pump Flow Rate	Sample Start Time	Sample Stop Time	Total Sample Time	Total Sample Volume	Sample Location (if personal, note name and job)	Sample Results (mg/m ³)
3402-1	13590-G.I.AIRS	1.985 2.070	0800	300	420 min	853.02	Santiago Flores/form builder	
3402-2	13579-G.I.AIRS	1.95 2.007	0800	300	420 min	838.74	Mario Nuñez /form builder	
	2402-1	2.031						
	3402-2	1.997						

Notes (describe activities, unusual circumstances, weather conditions, etc.): 750 Harding onsite, only Sanders working today,
0800 pumps placed on 2 laborer working forms, 0900 both pumps operating normally, both still making
concrete forms, 1000 - sunny, 35°F, no wind, 1200 take lunch, 1230 back to work, no other activities
happening on site other than formers working, 1330 pumps working normally same work
being done, 1445 work for Sanders coming to an end they are putting final touches on forms.

Sampler's Signature: MATT GRANT